



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/656699
Filing Date	September 4, 2003
First Named Inventor	Graber, Loren R
Group Art Unit	3673
Examiner Name	Unknown
Attorney Docket Number	20794-82667

A U.S. PATENT DOCUMENTS					
*Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
JMS	A.1	2,436,593	02-24-1948	Moselowitz	—
JMS	A.2	3,299,641	01-24-1967	Heagler, et al.	↑
JMS	A.3	Des. 244,460	05-24-1977	Jenkins	
JMS	A.4	4,074,479	02-21-1978	Krupka	
JMS	A.5	4,142,325	03-06-1979	Greenbaum	
JMS	A.6	Des. 255,886	07-15-1980	Flynn	
JMS	A.7	4,257,716	03-24-1981	Woodrow	
JMS	A.8	4,663,883	04-12-1987	Hilliard, et al.	
JMS	A.9	Des. 299,543	01-24-1989	Phillips	
JMS	A.10	4,907,783	03-13-1990	Fisk, et al.	
JMS	A.11	4,993,877	02-19-1991	Beamer	
JMS	A.12	5,366,323	11-22-1994	Nicholson	
JMS	A.13	5,516,232	05-14-1996	Filipski	
JMS	A.14	5,568,995	10-29-1996	Beamer	
JMS	A.15	5,573,351	11-12-1996	Beamer	
JMS	A.16	5,662,812	09-02-1997	McEwen	
JMS	A.17	Des. 396,308	07-21-1998	Hägglund	
JMS	A.18	5,803,662	09-08-1998	Gunter	
JMS	A.19	5,810,513	09-22-1998	Beamer, et al.	
JMS	A.20	5,852,895	12-29-1998	Sinanan	
JMS	A.21	5,966,870	10-19-1999	Michailiuk	
JMS	A.22	Des. 418,233	12-28-1999	Prassas, et al.	
JMS	A.23	6,108,969	08-29-2000	Danna, et al.	↓
JMS	A.24	US-D437,944-S	02-20-2001	Neuhofer, Jr.	—

EXAMINER

*Saldar*

DATE CONSIDERED

6/7/04

\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Sheet 2 of 4

Complete if Known

Application Number	10/656699
Filing Date	September 4, 2003
First Named Inventor	Graber, Loren R
Group Art Unit	3673
Examiner Name	Unknown
Attorney Docket Number	20794-82667

**U.S. PATENT DOCUMENTS**

*Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
<i>yul</i>	A.25	US-6,254,307-B1	07-03-2001	Ragold	
	A.26				
	A.27				
	A.28				
	A.29				
	A.30				
	A.31				
	A.32				
	A.33				
	A.34				
	A.35				
	A.36				
	A.37				
	A.38				
	A.39				
	A.40				
	A.41				
	A.42				
	A.43				
	A.44				
	A.45				
	A.46				
	A.47				

EXAMINER

*Saldano*

DATE CONSIDERED

*6/7/04*

\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Send to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. (Rev. 08/03)

**Best Available Copy**



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Sheet 3 of 4

Complete if Known

Application Number	10/656699
Filing Date	September 4, 2003
First Named Inventor	Graber, Loren R
Group Art Unit	3673
Examiner Name	Unknown
Attorney Docket Number	20794-82667

B FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B.1					
	B.2					
	B.3					
	B.4					
	B.5					
	B.6					
	B.7					
	B.8					
	B.9					
	B.10					
	B.11					
	B.12					
	B.13					
	B.14					
	B.15					
	B.16					
	B.17					
	B.18					
	B.19					
	B.20					
	B.21					

EXAMINER		DATE CONSIDERED	
----------	--	-----------------	--

\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Send to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. (Rev. 08/03)

**Best Available Copy**

<p align="center">U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p align="center"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p align="center">(Use several sheets if necessary)</p>	Complete if Known	
	Application Number	10/656699
	Filing Date	September 4, 2003
	First Named Inventor	Graber, Loren R
	Group Art Unit	3673
	Examiner Name	Unknown
Sheet 4 of 4	Attorney Docket Number	20794-82667

C OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C.1		
	C.2		
	C.3		
	C.4		
	C.5		
	C.6		
	C.7		
	C.8		
	C.9		
	C.10		

EXAMINER		DATE CONSIDERED	
----------	--	-----------------	--

\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.